



IFW16

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/625,790A

DATE: 08/18/2004

TIME: 09:33:01

Input Set : A:\1368-10 DIV Sequence Listing.txt

Output Set: N:\CRF4\08182004\I625790A.raw

3 <110> APPLICANT: Peltz, Stuart W.  
 4 Dinman, Jonathan D.  
 5 Cui, Ying  
 7 <120> TITLE OF INVENTION: A method for modulating the activity of a peptidyl  
 transferase

8 center  
 10 <130> FILE REFERENCE: 1368-10 DIV  
 12 <140> CURRENT APPLICATION NUMBER: 09/625,790A  
 13 <141> CURRENT FILING DATE: 2000-07-26  
 15 <150> PRIOR APPLICATION NUMBER: 08/724,992  
 16 <151> PRIOR FILING DATE: 1996-10-04  
 18 <150> PRIOR APPLICATION NUMBER: 60/005,041  
 19 <151> PRIOR FILING DATE: 1995-10-06  
 21 <160> NUMBER OF SEQ ID NOS: 15  
 23 <170> SOFTWARE: PatentIn version 3.2  
 25 <210> SEQ ID NO: 1  
 26 <211> LENGTH: 112  
 27 <212> TYPE: PRT  
 28 <213> ORGANISM: Homo sapiens  
 30 <400> SEQUENCE: 1



32 Met Ser Ala Ile Gln Asn Leu His Ser Phe Asp Pro Phe Ala Asp Ala  
 33 1 5 10 15  
 36 Ser Lys Gly Asp Asp Leu Leu Pro Ala Gly Thr Glu Asp Tyr Ile His  
 37 20 25 30  
 40 Ile Arg Ile Gln Gln Arg Asn Gly Arg Lys Thr Leu Thr Thr Val Gln  
 41 35 40 45  
 44 Gly Ile Ala Asp Asp Tyr Asp Lys Lys Lys Leu Val Lys Ala Phe Lys  
 45 50 55 60  
 48 Lys Lys Phe Ala Cys Asn Gly Thr Val Ile Glu His Pro Glu Tyr Gly  
 49 65 70 75 80  
 52 Glu Val Ile Gln Leu Gln Gly Asp Gln Arg Lys Asn Ile Cys Gln Phe  
 53 85 90 95  
 56 Leu Val Glu Ile Gly Leu Ala Lys Asp Asp Gln Leu Lys Val His Gly  
 57 100 105 110

60 <210> SEQ ID NO: 2  
 61 <211> LENGTH: 110  
 62 <212> TYPE: PRT  
 63 <213> ORGANISM: Aedes aegyptius  
 65 <400> SEQUENCE: 2  
 67 Met Ser Ile Gln Asn Leu Asn Thr Phe Asp Pro Phe Ala Asp Ala Ile  
 68 1 5 10 15  
 71 Lys Gly Ala Asp Tyr Asp Val Gln Asp Gly Leu Val His Ile Arg Ile  
 72 20 25 30  
 75 Gln Gln Arg Asn Gly Arg Lys Thr Leu Thr Thr Val Gln Gly Leu Ser

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```

76          35          40          45
79 Ala Glu Tyr Asp Leu Lys Lys Ile Val Arg Ala Cys Lys Lys Glu Phe
80          50          55          60
83 Ala Cys Asn Gly Thr Val Ile Glu His Pro Glu Tyr Gly Glu Val Leu
84 65          70          75          80
87 Gln Leu Gln Gly Asp Gln Arg Glu Asn Ile Cys Gln Trp Leu Thr Lys
88          85          90          95
91 Ser Gly Leu Ala Lys Pro Glu Gln Leu Lys Val His Gly Phe
92          100          105          110
95 <210> SEQ ID NO: 3
96 <211> LENGTH: 116
97 <212> TYPE: PRT
98 <213> ORGANISM: Oryza sativa
100 <400> SEQUENCE: 3
102 Met Ser Asp Leu Asp Ile Gln Ile Pro Thr Ala Phe Asp Pro Phe Ala
103 1          5          10          15
106 Glu Ala Asn Ala Gly Asp Ser Gly Ala Ala Ala Gly Ser Lys Asp Tyr
107          20          25          30
110 Val His Val Arg Ile Gln Gln Arg Asn Gly Arg Lys Ser Leu Thr Thr
111          35          40          45
114 Val Gln Gly Leu Lys Lys Glu Phe Ser Tyr Asn Lys Ile Leu Lys Val
115          50          55          60
118 Leu Lys Lys Glu Phe Cys Cys Asn Gly Thr Val Val Gln Asp Pro Glu
119 65          70          75          80
122 Leu Gly Gln Val Ile Gln Leu Gln Gly Asp Gln Arg Lys Asn Val Ser
123          85          90          95
126 Asn Phe Leu Val Gln Ala Gly Thr Val Lys Lys Glu His Ile Lys Ile
127          100          105          110
130 His Gly Phe Ser
131          115
134 <210> SEQ ID NO: 4
135 <211> LENGTH: 108
136 <212> TYPE: PRT
137 <213> ORGANISM: Saccharomyces cerevisiae
139 <400> SEQUENCE: 4
141 Met Ser Ile Glu Asn Leu Lys Ser Phe Asp Pro Phe Ala Asp Thr Gly
142 1          5          10          15
145 Asp Asp Glu Thr Ala Thr Ser Asn Tyr Ile His Ile Arg Ile Gln Gln
146          20          25          30
149 Arg Asn Gly Arg Lys Thr Leu Thr Thr Val Gln Gly Val Pro Glu Glu
150          35          40          45
153 Tyr Asp Leu Lys Arg Ile Leu Lys Val Leu Lys Lys Asp Phe Ala Cys
154          50          55          60
157 Asn Gly Asn Ile Val Lys Asp Pro Glu Met Gly Glu Ile Ile Gln Leu
158 65          70          75          80
161 Gln Gly Asp Gln Arg Ala Lys Val Cys Glu Phe Met Ile Ser Gln Leu
162          85          90          95
165 Gly Leu Gln Lys Lys Asn Ile Lys Ile His Gly Phe
166          100          105

```

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169 <210> SEQ ID NO: 5
170 <211> LENGTH: 102
171 <212> TYPE: PRT
172 <213> ORGANISM: Methanogen sp.
174 <400> SEQUENCE: 5
176 Met Pro Glu Ile Cys Pro Ile Cys Gly Leu Pro Lys Asp Leu Cys Val
177 1 5 10 15
180 Cys Glu Glu Ile Ala Lys Glu Glu Gln Lys Ile Lys Val Tyr Val Thr
181 20 25 30
184 Lys Arg Arg Phe Gly Lys Leu Met Thr Val Val Asp Gly Arg Asp Ala
185 35 40 45
188 Asp Leu Ile Asp Val Lys Asp Leu Ala Lys Lys Leu Lys Asp Ile Cys
189 50 55 60
192 Ala Cys Gly Gly Thr Val Lys Lys Asp Ser Ile Glu Leu Gln Gly Asp
193 65 70 75 80
196 His Arg Lys Lys Ala Glu Glu Ile Leu Ile Lys Met Gly Phe Ser Lys
197 85 90 95
200 Asp Met Ile Asp Val Arg
201 100
204 <210> SEQ ID NO: 6
205 <211> LENGTH: 10
206 <212> TYPE: RNA
207 <213> ORGANISM: Artificial sequence
209 <220> FEATURE:
210 <223> OTHER INFORMATION: theoretical sequence used for illustration
212 <400> SEQUENCE: 6
213 ggguuuagga 10
216 <210> SEQ ID NO: 7
217 <211> LENGTH: 42
218 <212> TYPE: DNA
219 <213> ORGANISM: Saccharomyces cerevisiae
221 <400> SEQUENCE: 7
222 aattcatgtg cgtattgtgg tatagattct gcaaagtgtg tc 42
225 <210> SEQ ID NO: 8
226 <211> LENGTH: 21
227 <212> TYPE: DNA
228 <213> ORGANISM: Artificial sequence
230 <220> FEATURE:
231 <223> OTHER INFORMATION: PCR primer
233 <400> SEQUENCE: 8
234 ccggaattca tgaacgggaa a 21
237 <210> SEQ ID NO: 9
238 <211> LENGTH: 29
239 <212> TYPE: DNA
240 <213> ORGANISM: Artificial sequence
242 <220> FEATURE:
243 <223> OTHER INFORMATION: PCR primer
245 <400> SEQUENCE: 9
246 gaccggccgt aacggacgtt gtaatacat 29

```

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249 <210> SEQ ID NO: 10
250 <211> LENGTH: 28
251 <212> TYPE: DNA
252 <213> ORGANISM: Artificial sequence
254 <220> FEATURE:
255 <223> OTHER INFORMATION: PCR primer
257 <400> SEQUENCE: 10
258 atccccgcgg gagttgaaag ttgccatc
261 <210> SEQ ID NO: 11
262 <211> LENGTH: 23
263 <212> TYPE: DNA
264 <213> ORGANISM: Artificial sequence
266 <220> FEATURE:
267 <223> OTHER INFORMATION: PCR primer
269 <400> SEQUENCE: 11
270 gacgatcca aagtatttg gac
273 <210> SEQ ID NO: 12
274 <211> LENGTH: 6
275 <212> TYPE: PRT
276 <213> ORGANISM: Saccharomyces cerevisiae
278 <400> SEQUENCE: 12
280 Leu Gln Gly Asp Gln Arg
281 1 5
284 <210> SEQ ID NO: 13
285 <211> LENGTH: 30
286 <212> TYPE: DNA
287 <213> ORGANISM: Artificial sequence
289 <220> FEATURE:
290 <223> OTHER INFORMATION: PCT primer
292 <400> SEQUENCE: 13
293 ataggatcct taaccggccg gacagtaata
296 <210> SEQ ID NO: 14
297 <211> LENGTH: 51
298 <212> TYPE: DNA
299 <213> ORGANISM: Artificial sequence
301 <220> FEATURE:
302 <223> OTHER INFORMATION: PCR primer
304 <400> SEQUENCE: 14
305 ataggatcct tgcctatcgtc gtcctttag tctctcaaac ctcttggggt t
308 <210> SEQ ID NO: 15
309 <211> LENGTH: 9
310 <212> TYPE: RNA
311 <213> ORGANISM: Artificial sequence
313 <220> FEATURE:
314 <223> OTHER INFORMATION: theoretical sequence used for illustration
316 <400> SEQUENCE: 15
317 cuuaggcca

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**VERIFICATION SUMMARY**

PATENT APPLICATION: **US/09/625,790A**

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